

# US ATLAS Analysis Support Management Plan V1.0 March 12, 2012

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## Introduction

The aim of the US ATLAS Analysis Support Management (US ASM) is to support the members of US ATLAS in maximizing the impact of their efforts in producing ATLAS physics results. US ASM comprises the following three areas.

1. Analysis Support Centers.
2. Technical Support Group.
3. Analysis Support Panel.

US ASM is headed by a manager and a deputy manager (ASM and DASM).

## Analysis Support Centers (ASC)

Objectives:

1. Provide US ATLAS physicists with regional resources, tutorials, leadership and focal point for meetings.
2. Provide infrastructure for analysis support.
3. Provide expertise in ATLAS software and certain areas of physics and detector performance.

The US ATLAS Analysis Support Centers (ASC) are at ANL, BNL, and LBNL. Each ASC has a coordinator and US ATLAS ASC Fellows assigned to the particular ASC.

- ASC Coordinators
  - In cooperation with the Physics Review Panel, and the Technical Support Group, oversee organization of Jamborees, tutorials and other meetings at the ASC.
  - Manage long and short term visitor programs at the ASC.
  - Manage infrastructure (meeting, guest, etc.) at the ASC.
- US ATLAS ASC Fellows
  - Works closely with the ASC coordinators in organizing Jamborees and other physics activities at the ASC.
  - Members of the Analysis Support Panel (see below).

## Technical Support Group (TSG)

Objectives:

1. Technical software development to support US ATLAS analyzers.

2. Education of US ATLAS analyzers on analysis and related software.

Technical Support Manager (TSM): The role of TSM may be taken by ASM and/or DASM. It is also possible that they appoint one of the support personnel (see below) to be the TSM if appropriate.

TSM is responsible for, in cooperation and communication with ASM and DASM, identifying appropriate projects for personnel supported by US ATLAS Operations under physics support. In addition, the TSM will establish specific goals for these projects in the long, medium and short term. The TSM will convene weekly or biweekly meetings with the Physics Support Operation personnel (Support Personnel) to track the progress of the projects. As necessary, the TSM will, in consultation with the ASM and DASM, reevaluate the medium and long term goals as well as the projects themselves and make necessary adjustments.

Support Personnel: Currently there are 3.5 FTEs fitting this description.

- Tier3 Coordinator (1/2 FTE)
- Analysis Software Development and support (3 x 1/2 FTE + 1 FTE)
- Physics Workbook (1/2 FTE)

## Analysis Support Panel (ASP)

Objectives:

1. Review requests from US physicists on usage of US ATLAS computational resources being made to the Resource Allocations Committee (RAC), when necessary, and recommend priorities.
2. Identify and recommend data sets (particularly D3PD's) to be copied to US Cloud for analysis.
3. Plan and carry out US ATLAS local meetings in cooperation with ASCs order to benefit US ATLAS analysis efforts.
4. Facilitate collaboration for US ATLAS analyzers.
5. Speakers Committee is a subcommittee of the ASP (see below).

The US ATLAS Analysis Support Panel (ASP) consists of

- US ATLAS ASC Fellows.
- Additional Members (~5) appointed as needed to cover all areas corresponding to ATLAS Physics and Performance groups.

Each member will be assigned to cover one or more of the areas corresponding to the Physics and Performance groups.

In addition to above, ex-officio members of the PRP are

- ASC coordinators.
- Technical Support Manager.
- Speakers Committee chair and deputy (see below).

The ASP is convened by the ASM and DASM.

- ASM and DASM may ask a member of US ATLAS with appropriate expertise to join the ASP for a short period when a need for such an expertise arise.

## **The roles of ASP**

### ***US ATLAS Resource Requests***

- Resource Allocations Committee (RAC) receives requests for usage of US ATLAS resources to support US Analysis efforts (e.g. extra MC production). In case there are conflicting requests, ASP is charged to study the requests and recommend prioritization.

### ***US ATLAS Analysis Activities***

- ASP members will, as far as possible, track the various efforts in the US in their area of expertise, in order to carry out their briefs. They attend the monthly US ATLAS Analysis Activities meeting and report any major activities in their area.

### ***US ATLAS Physics Meetings***

ASP members engage in and also initiate US ATLAS Physics meetings, where appropriate.

- Annual US ATLAS Physics Workshop: The ASP members are also members of the Organizing Committee and will establish the physics part of the agenda.
- US ATLAS Jamborees and other meetings:
  - ASP members work with the Analysis Support Centers to propose and carry out Jamborees or other targeted meetings.
  - ASP members can propose and carry out US ATLAS meetings unrelated to ASCs.

### ***US ATLAS Speakers Committee***

ASP members comprise the membership of the US ATLAS Speakers Committee responsible for US local meetings where there are US ATLAS speakers. These meetings/talks include the APS and DPF meetings as well as “Wine and Cheese” talks at Fermilab as well as US LUO meetings.

The chair and deputy of the Speakers Committee are proposed by the ASM and DASM and approved by the IB. See appendix C for details on the Speakers Committee.

## **Appendix A: US ASM Positions**

**Analysis Support Manager and Deputy:** are recommended by US IB and appointed by US ATLAS PS&C managers. These are Level 2 management positions within US ATLAS. They have two year terms (1 year as Deputy and the following year as Manager).

**T3 Coordinator:** this is a US ATLAS L3 management position within US ATLAS. He/she is appointed by the PS&C managers. This position is supported through the Operations Program.

**Technical Support Personnel:** these are people supported partially or wholly through the Operations Program to work on the technical aspects of Analysis Support (this technically involves the T3 manager). They are appointed by the PS&C managers.

**Technical Support Manager:** the appointment will be made by the ASM and DASM.

**US ATLAS Speakers Committee Chair and Deputy:** are proposed by the ASM and DASM and approved by the IB for 1 year. Other ASP members will comprise the committee.

**Analysis Support Center Coordinators:** are proposed by the group leaders of the corresponding laboratories and approved by the PS&C managers as well as the ASM and DASM.

**US ATLAS ASC Fellows:** are awarded by a committee appointed by the IB. The terms are approximately 1 year. They are members of the Analysis Support Panel.

**Additional Analysis Support Panel Members:** are proposed by ASM and DASM and approved by the IB.

## Appendix B: Meetings

### Monthly Analysis Activities meetings

The main communication and business of the US ASM will be carried out in the Monthly Analysis Activities meeting. Normally, these meetings will be used to update the general status of US Activities in both Analysis and Technical Support.

- These meetings will be chaired by the ASM and DASM
- Attendance: All members of US ASM are asked to attend the Monthly meeting.
- The TSM, ASC coordinators and ASP members will report to this meeting when appropriate.
- Special Meetings: Twice a year (December and May?) a special meeting will be held where US ATLAS Jamborees and other meetings are solicited and proposed. ASM will then make a tentative schedule of meetings for the next year.

### Bi-weekly Technical Support meetings

This meeting is convened by the Technical Support Manager and tracks the progress of the on-going projects.

- These meetings will be chaired by the TSM.
- Attendance: All members of the Technical Support group are asked to attend this meeting.

## Appendix C: US ATLAS Speakers Committee

US ATLAS Speakers Committee consists of the chair and deputy, appointed by the ASM and DASM and the members of the PRP.

The Committee will

- Review, revise and approve the abstracts to be sent.
- Review, rehearse and approve the speakers and assure that the contents are in accordance with the ATLAS rules.
- Review, revise and approve the corresponding proceedings.
- Where necessary, work with the IB to find speakers for these meetings/talks.

In detail the responsibility of the Committee Chair/Deputy and the individual committee members are as follows:

- Chair/Deputy: They are the primary contact for ATLAS as well as the Meeting/Conference in questions.
  - Keep the list of applicable US local meeting dates, abstract and proceeding deadlines.
  - Communicate these dates to the IB and US ATLAS in general and receive and/or (if appropriate) solicit contributions.
  - Keep track of the contributions and assign them to appropriate PRP member for the process to approve abstracts, slides, talks, proceedings, etc. Keep track of the approvals.
  - Schedule and carry out rehearsals of talks with the help of panel members.
- ASP members: each ASP member is responsible for the approval of abstracts/talks/proceedings assigned by Chair/Deputy.
  - Review the abstract, slides, and proceedings in the time frame and procedure defined by the Chair/Deputy.
  - If unsure of whether a particular content can be presented, contact the appropriate ATLAS coordinator (typically the Physics&Performance group convener) to clarify.
  - Aid in schedule and carry out rehearsals of talks where necessary.
  - In case of conflicts, lack of time, subject out of area of expertise, ASP contact may delegate his responsibilities to another senior US ATLAS member. In this case, the Chair/Deputy should be informed in a timely manner.